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APPLICATION NO.	FII	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/808,652	52 03/15/2001		Linghsiao Wang	21795	4933	
24932	7590	10/13/2004		EXA	MINER	
LAW OFFICE OF LAWRENCE E LAUBSCHER, JR 1160 SPA RD				CHANG,	CHANG, RICHARD	
SUITE 2B				ART UNIT	PAPER NUMBER	
ANNAPOLI	S, MD 2	1403		2663	-	

DATE MAILED: 10/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
Office Action Commence	09/808,652	WANG ET AL.						
Office Action Summary	Examiner	Art Unit						
	Richard Chang	2663						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) Responsive to communication(s) filed on 15 M	arch 2001.							
,	<u> </u>							
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4) Claim(s) is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>1,2,6,7,11 and 12</u> is/are rejected.	6)⊠ Claim(s) <u>1,2,6,7,11 and 12</u> is/are rejected.							
7) Claim(s) <u>3-5 and 8-10</u> is/are objected to.	7)⊠ Claim(s) <u>3-5 and 8-10</u> is/are objected to.							
8) Claim(s) are subject to restriction and/o	r election requirement.	·						
Application Papers								
9) The specification is objected to by the Examiner.								
10)⊠ The drawing(s) filed on <u>15 March 2001</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	, , , ,	•						
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachment(s)								
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:							

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-2, 6-7 and 11-12 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by US patent No. 6,683,884 ("Howard").

<u>Regarding claims 1 and 11-12</u>, Howard teaches a method and system of scheduling queues for packetized data in a network switching device (a method or data switching node of scheduling for servicing ... with a communications port) (See Fig. 1) comprising the steps of

selecting the next packet to be transmitted to output port from queues (block 110A-110M) in the selection mechanism (block 130) wherein the selection mechanism assigns the credit counters (block 225A-225M) for each of the queues to indicate available packets in the queue (selecting for servicing an output queue ... credit counter holding a lowest credit value C(j)) (See Fig. 1 and Fig. 2A, Col. 3, lines 15-29),

adding as by the selection mechanism the quantum number of bytes to the corresponding credit counter as each queue has a target bandwidth (selectively incrementing the credit value C(j) ... a length L from the selected output queue (See Fig. 1 and Fig. 2C, Col. 3, lines 37-44).

decrementing, based on the round time, the credit counter by the number of bytes in the packet to keep track of the number of bytes its corresponding queue may transmit without exceeding its target bandwidth (periodically decrementing the credit values C(j) ... A(j) assigned to each output queue) (See Fig. 1 and Fig. 2C, Col. 3, lines 44-49), and

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wherein the shared credit round robin queuing is inherently an improved efficient fair queuing of the weighted fair queuing (whereby selecting for servicing the output queue ... in the long run with minimal computation).

Regarding claim 2, Howard further teaches that selection mechanism (block 130), which is configured to select the next packet to be transmitted to output channel 140 from queues (block 110A-110M) (the plurality of output queues comprises at least two output queues) (See Fig. 1, Col. 3, lines 19-21).

<u>Regarding claims 6-7.</u> Howard further teaches that as each packet from queue is transmitted to output channel, credit counter is decremented by the number of bytes in the packet (the plurality of output queues comprises at least two output queues) (See Fig. 2C, Col. 3, lines 44-43).

Allowable Subject Matter

3. Claims 3-5 and 8-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims and if no art rejection can be applied.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard Chang Patent Examiner Art Unit 2663

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